



# Submitting Spot Forecast Request For Wildfires

NOAA National Weather Service



# Fire Weather Spot Forecast

## A Location Specific Forecast to Support Fires



### Bookmark This Page for Future Use!

NWS Marquette

<http://goo.gl/L4KzFh>

NWS Gaylord

<http://goo.gl/r501Li>

NWS Grand Rapids

<http://goo.gl/qGkrQf>

NWS Detroit

<http://goo.gl/tsGj0r>

NWS Northern Indiana

<http://goo.gl/hukRT0>

[Back to the Grand Rapids National Weather Service Fire Weather Page](#)

### GRAND RAPIDS SPOT FORECASTS

for  
**Tuesday**  
Mar 31 2015 →  
[CALENDAR](#)

[Submit a new Spot Request](#)

NWS/NOAA/DOC 8:51 am EDT 3/31/15  
Pending Question Complete

Name	Ignition Time	Status
No Entries		

Click on  
**‘Submit a new Spot Request’**

This Will Take You to the Page  
To Request a Forecast



# Forecast Request Form

## Provide as Much Information As Possible



### GRAND RAPIDS SPOT FORECAST REQUEST

Required Elements in RED (\*)

PROJECT NAME	REQUESTING AGENCY
(*)Project Name: <input type="text"/> <input type="radio"/> Wildfire <input type="radio"/> HAZMAT <input checked="" type="radio"/> Prescribed Fire <input type="radio"/> SAR Ignition Time: <input type="text"/> 0940 <input type="radio"/> Eastern Local Time Date: <input type="text"/> 3/31/15	(*)Requesting Agency: <input type="text"/> (*)Requesting Official: <input type="text"/> (*)Phone Number: <input type="text"/> Ext. <input type="text"/> FAX Number: <input type="text"/> Contact Person: <input type="text"/>

#### REASON FOR SPOT FORECAST REQUEST

(\*)Must choose either Wildfire or one of the Non-Wildfire reasons

☐ Wildfire

##### Non-Wildfire

- ☐ Under the Interagency Agreement for Meteorological Services (USFS, BLM, NPS, USFWS, BIA).
- ☐ State, tribal or local fire agency working in coordination with a federal participant in the Interagency Agreement for Meteorological Services.
- ☐ Essential to public safety, e.g. due to the proximity of population centers or critical infrastructure.

For NWS Spot forecast policy, see  
section 4.0 in NWS Instruction 10-401 at  
<http://www.nws.noaa.gov/directives/010/010.htm>

LOCATION	FUEL
(*)Lat: <input type="text"/> (*)Lon: <input type="text"/> 7.5' Quad: <input type="text"/> Legal (T/R): <input type="text"/> <input checked="" type="radio"/> M	Type: <input type="text"/> <input type="radio"/> Sheltering <input type="radio"/> Full <input type="radio"/> Partial <input type="radio"/> Unsheltered
(*)Elevation: Top <input type="text"/> Bottom <input type="text"/> Drainage: <input type="text"/> (*)Aspect: <input type="text"/> Size: <input type="text"/> (Acres)	

\*Enter Lat/Lon (WGS84/NAD83 preferred), Legal(T/R) also acceptable.

Place	Elev	Time	Wind	Temp	Wetbulb	RH	Dewpt.	Sky/Weather
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

#### PRIMARY FORECAST ELEMENTS

TDA TNT TMR (Today, Tonight, Tomorrow)

- |                          |                          |                          |                   |
|--------------------------|--------------------------|--------------------------|-------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Sky / Weather     |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Temperature       |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Relative Humidity |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 20 Foot Wind      |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Transport Winds   |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Mixing Height     |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Haines Index      |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Ventilation Rate  |

#### REMARKS

Submit Request

Cancel Request

Clear Form



# Forecast Request Form

## Provide as Much Information As Possible



### GRAND RAPIDS SPOT FORECAST REQUEST

Required Elements in RED (\*)

#### PROJECT NAME

(\*)Project Name: Maczko's on Vacation

☒ Wildfire ☐ HAZMAT  
☐ Prescribed Fire ☐ SAR  
Ignition Time: 1000  
Date: 3/31/15 ☒ Eastern Local Time

#### REQUESTING AGENCY

(\*)Requesting Agency: NWS Grand Rapids

(\*)Requesting Official: Jim Maczko

(\*)Phone Number: 616-949-5150

Ext.

FAX Number:

Contact Person: Jim Maczko

#### REASON FOR SPOT FORECAST REQUEST

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#### LOCATION

(\*)Lat: 64.1333

(\*)Lon: 21.9333

7.5' Quad:

Legal (T/R):

\*Enter Lat/Lon (WGS84 NAD83 preferred). Legal(T/R) also acceptable.

(\*)Elevation:

Top

Bottom

100

250

Drainage:

(\*)Aspect: N

Size: (Acres)

#### FUEL

Type: Grass, Pines

Sheltering

☐ Full

☒ Partial

☐ Unsheltered

#### OBSERVATIONS

Place	Elev	Time	Wind	Temp	Wetbulb	RH	Dewpt.	Sky/Weather
Reykjavik	150	1015	NW 15-25	42				Cloudy

#### PRIMARY FORECAST ELEMENTS

TDA TNT TMR (Today, Tonight, Tomorrow)

- ☒ Sky / Weather
- ☒ Temperature
- ☒ Relative Humidity
- ☒ 20 Foot Wind
- ☒ Transport Winds
- ☒ Mixing Height
- ☐ Haines Index
- ☐ Ventilation Rate

#### REMARKS

Grass Fire Running quickly because of winds. Town is in line of fire in about 2 miles. Need to know specific timing on when winds will shift or fall below 5 mile per hour.

Submit Request

Cancel Request

Clear Form

1

## PROJECT NAME

Incident Name

Incident Type

Incident Start Time/Date

2

## REQUESTING AGENCY

Agency Name

Requesting Official

Contact Info



# Forecast Request Form

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100 250

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TDA TNT TMR (Today, Tonight, Tomorrow)

- |                                     |                                     |                                     |                   |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
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| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | Haines Index      |
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Submit Request

Cancel Request

Clear Form

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## REASON FOR SPOT FORECAST REQUEST

Must Choose One  
Wildfire or Non-Wildfire

Non-Wildfires Include  
Hazmat and other Essential  
to Public Safety Incidents



# Forecast Request Form

## Provide as Much Information As Possible



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### LOCATION

Latitude/Longitude of Site  
Elevation - Approximate  
Aspect – Slope Direction

5

### FUEL

Type = What's Burning?

Sheltering  
Open field= Unsheltered  
Some Trees = Partial  
Wooded Area = Full

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(Acres)

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TDA TNT TMR (Today, Tonight, Tomorrow)

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#### REMARKS

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Submit Request

Cancel Request

Clear Form

6

## OBSERVATIONS

Current Weather Conditions  
At The Incident  
If You Have Them





# Forecast Request Form

## Provide as Much Information As Possible



7

### PRIMARY FORECAST ELEMENTS

TDA = Today

TNT = Tonight

TMR = Tomorrow

✓ Check What You Want

8

### REMARKS

Any additional info you want  
to share or specifics on your  
concerns for the incident

9

Click 'Submit Request'

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##### LOCATION

(\*)Lat: 64.1333

(\*)Elevation: Top Bottom  
100 250

(\*)Lon: 21.9333

Drainage:

7.5' Quad:

(\*)Aspect: N

Legal (T/R):

☒ M

Size: (Acres)

\*Enter Lat/Lon (WGS84 NAD83 preferred). Legal(T/R) also acceptable.

##### FUEL

Type: Grass, Pines

Sheltering

☐ Full

☒ Partial

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##### OBSERVATIONS

Place	Elev	Time	Wind	Temp	Wetbulb	RH	Dewpt.	Sky/Weather
Reykjavik	150	1015	NW 15-25	42				Cloudy

##### PRIMARY FORECAST ELEMENTS

TDA TNT TMR (Today, Tonight, Tomorrow)

- |                                     |                                     |                                     |                   |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Sky / Weather     |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Temperature       |
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##### REMARKS

Grass Fire Running quickly because of winds. Town is in line of fire in about 2 miles. Need to know specific timing on when winds will shift or fall below 5 mile per hour.

Submit Request

Cancel Request

Clear Form





# Fire Weather Spot Forecast

Watching the Status of Your Forecast



Once You Click Submit Request

Keep an Eye on This Page (the one you bookmarked from before)

[Back to the Grand Rapids National Weather Service Fire Weather Page](#)

## GRAND RAPIDS SPOT FORECASTS

for  
**Tuesday**  
**Mar 17 2015**  
[CALENDAR](#)

[Submit a new Spot Request](#)

NWS/NOAA/BOC 4:1:36 pm EDT 3/31/15  
Pending Question Complete

Name	Ignition Time	Status
<a href="#">12 Mile West Unit# 1</a>	11:00 am EDT	<a href="#">COMPLETE at 7:49 am EDT</a>

When Status Changes to  
'COMPLETE'

Click on 'COMPLETE'  
To View the Forecast

↑  
Your Incident Name

Courtesy Call to NWS When You Submit is  
Always Appreciated  
Gives Us a Chance to Assess How We Can Help



# What the Forecast Includes

## Submitted Information, Maps, Forecast Info



### What You Submitted and Generic Location Maps

**12 Mile West Unit# 1** (Proposed ignition time: 1100 EDT 3/17/15) (Re  
**Forecast complete at 749 EDT 3/17/15**  
**Requested by:** Forest Service

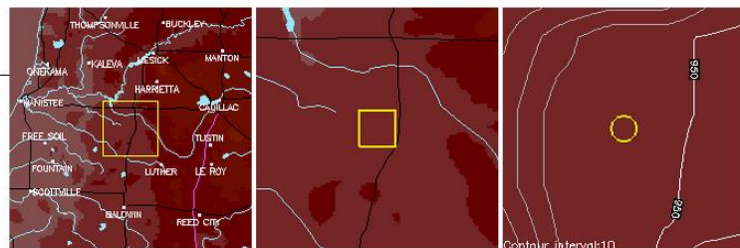
**Location:** Legal: Lat/Lon: 44.156447/85.822994 Quad: (WELLSTON NE MI)  
Calculated: (44°9'23"N 85°49'22"W)  
Elevation: 700 Drainage: unknown Aspect: Size: 20  
Fuel Type: unknown (Unsheltered)

**Observations:**

Place	Elev	Time	Wind	Temp	Wetbulb	RH	Dewpt	Remarks
Manistee	650	0700	N 13	30		47	12	clear
Cadillac	600	0700	N 12 G23	27		63	16	partly cloudy

**Requested Parameters**      **Remarks**

XXX Sky / Weather  
XXX Temperature  
XXX Relative Humidity  
XXX 20 Foot Wind  
XXX Transport Winds  
XXX Mixing Height  
XXX Haines Index  
XXX Ventilation Rate



### Text Forecast and Forecast Discussion for Your Location

#### FORECAST:

IF CONDITIONS BECOME UNREPRESENTATIVE,  
CONTACT THE NATIONAL WEATHER SERVICE.

FIRE WEATHER PLANNING FORECAST FOR 12 MILE WEST UNIT 1...FOREST  
SERVICE

NATIONAL WEATHER SERVICE GRAND RAPIDS MI  
749 AM EDT TUE MAR 17 2015

FORECAST IS BASED ON IGNITION TIME OF 1100 EDT ON MARCH 17.  
IF CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL WEATHER  
SERVICE.

#### DISCUSSION...

A LARGE POLAR HIGH IS MOVING INTO THE AREA TODAY REPLACING THE  
DEPARTING  
STORM SYSTEM. EVEN SO...WINDS WILL BE OUT OF THE NORTH AND GUSTY MOST  
OF  
THE DAY. WINDS WILL DIMINISH AFTER 5 PM. SKIES SHOULD BE MOSTLY  
CLEAR.  
TEMPERATURES WILL STAY MOSTLY IN THE LOWER TO MID 30S ALL DAY.

#### TODAY...

SKY/WEATHER.....MOSTLY SUNNY (20-30 PERCENT).

TEMPERATURE.....30 AT IGNITION...MAX 36.

RH.....MISSING.

WIND (20 FT).....WINDS NORTHWEST AT 16 MPH AT  
IGNITION...OTHERWISE NORTHWEST WINDS 10 TO 15  
MPH.

MIXING WINDS.....NORTHWEST 22 TO 26 MPH.

MIXING HEIGHT.....5200 FT AGL AT IGNITION...OTHERWISE 5100-5600  
FT AGL.

HAINES INDEX.....4 OR LOW POTENTIAL FOR LARGE PLUME DOMINATED  
FIRE GROWTH AT IGNITION...MAX 5.

SMOKE DISPERSAL.....400-700 (GOOD TO EXCELLENT) INCREASING TO  
1100-1400 (EXCELLENT).

TIME (EDT)	11 AM	1 PM	3 PM	5 PM	7 PM
SKY (%)	25	20	19	19	16
WEATHER COV.....					
WEATHER TYPE.....	NONE	NONE	NONE	NONE	NONE
TEMP.....	30	32	34	34	32
RH.....	51	43	36	35	41
20 FT WIND.....	NW 16	NW 17	NW 19	NW 18	NW 12
20 FT GUST.....	20	25	25	25	15
HAINES INDEX....	4	5	5	4	3

Scroll Down for More





# At the Bottom of Your Forecast

## Provide Forecast Good/Bad and Copy to New Request



.WEDNESDAY...

SKY/WEATHER.....SUNNY (15-25 PERCENT).  
TEMPERATURE.....MAX 40.  
RH.....MIN 37 PERCENT.  
WIND (20 FT).....WEST WINDS 6 TO 11 MPH.  
MIXING WINDS.....WEST 13 TO 17 MPH SHIFTING TO THE NORTHWEST 17  
TO 26 MPH...THEN DECREASING TO 9 TO 15 MPH LATE  
IN THE DAY.  
MIXING HEIGHT.....1400-1900 FT AGL INCREASING TO 4600-5100 FT  
AGL...THEN DECREASING TO 3000 FT AGL IN THE  
EVENING.  
HAINES INDEX.....3 TO 5 OR OR VERY LOW POTENTIAL FOR LARGE PLUME  
DOMINATED FIRE GROWTH TO OR MODERATE POTENTIAL  
FOR LARGE PLUME DOMINATED FIRE GROWTH.  
SMOKE DISPERSAL.....100-300 (POOR TO GOOD) INCREASING TO 800  
(EXCELLENT) FROM LATE MORNING THROUGH EARLY  
AFTERNOON...THEN INCREASING TO 1000-1400  
(EXCELLENT) DECREASING TO 500-800 (GOOD TO  
EXCELLENT) LATE IN THE DAY DECREASING TO 300  
(GOOD).

**Please provide feedback:**

Send Feedback

CANCEL

[Printer Friendly Version of Forecast](#)

[Back to Mar 17 Spot List](#) [Back to Todays Spot List](#) [Copy Info to New Spot Request](#)

## Tell Us How We Did!

Did the forecast pan out?

Do you need more information next time?

## Copy All Info to a New Request

So you don't have to start over for the same incident every time you need an update